

FIG. 1

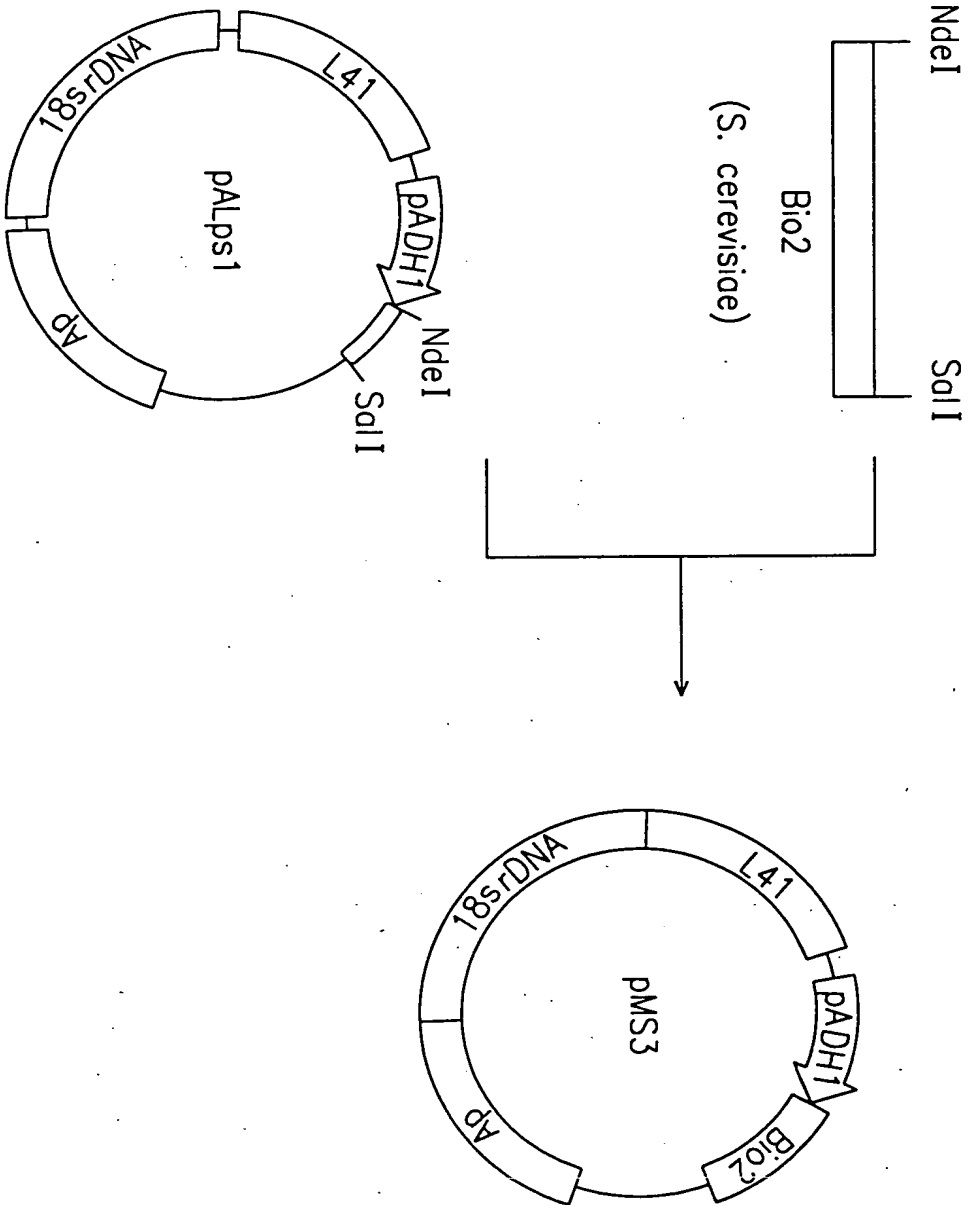


FIG. 2

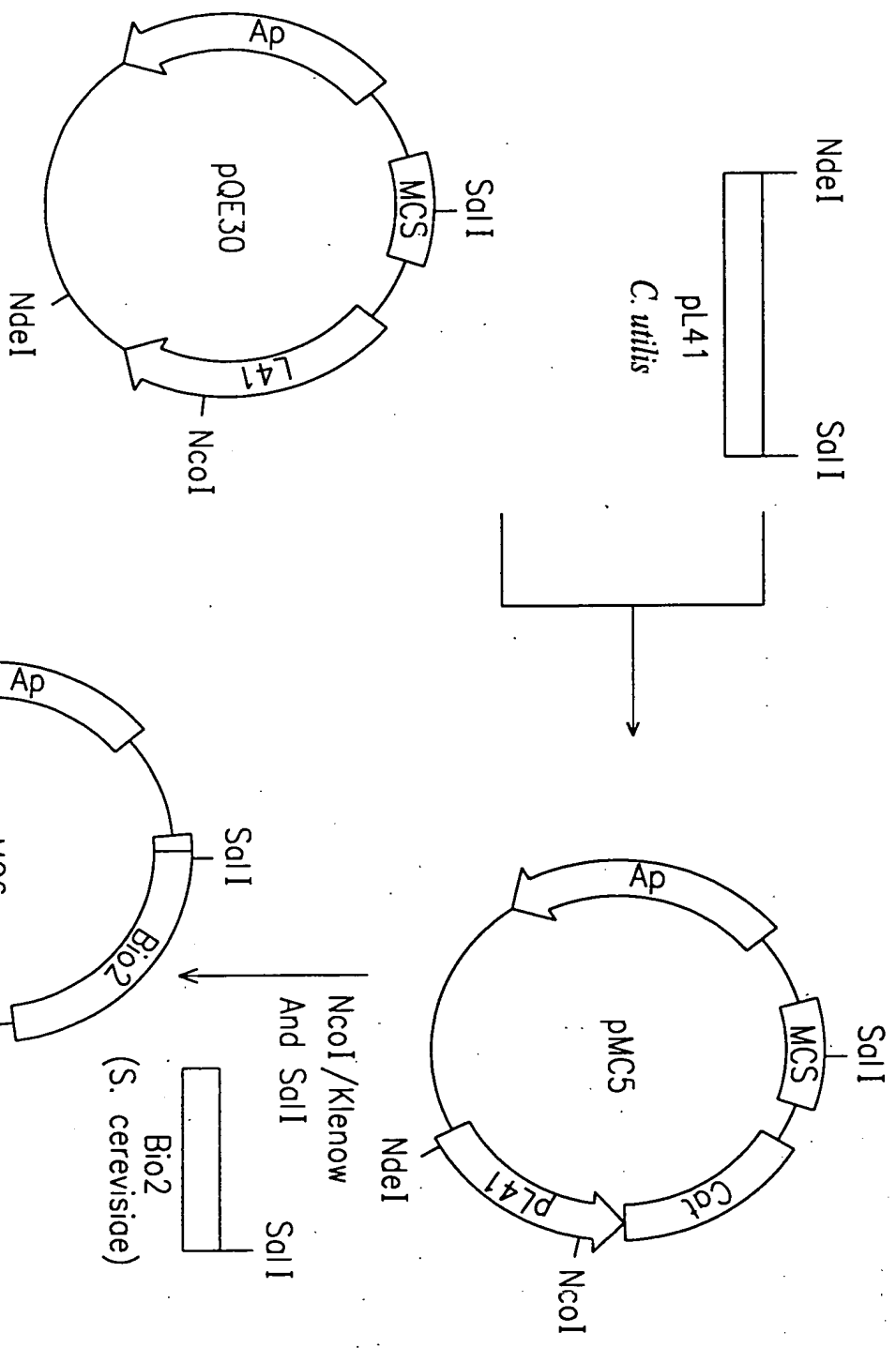


FIG. 3

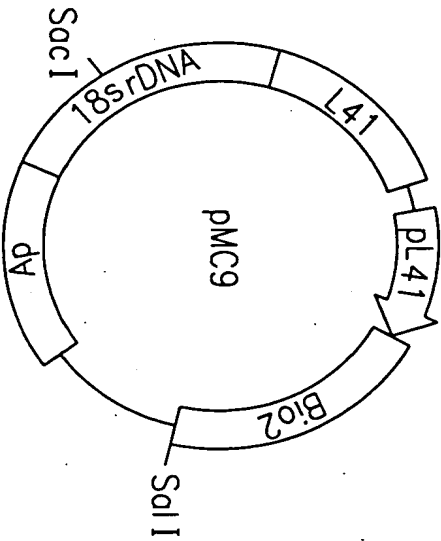
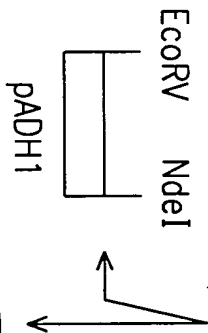
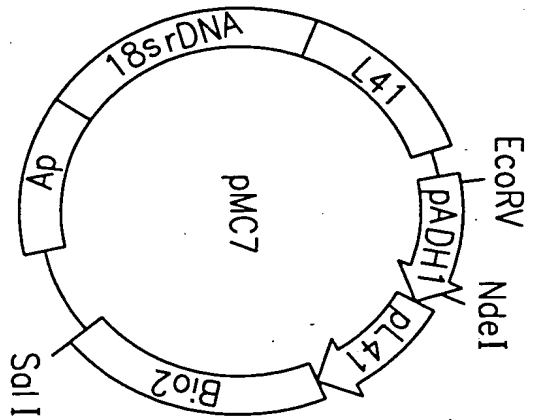
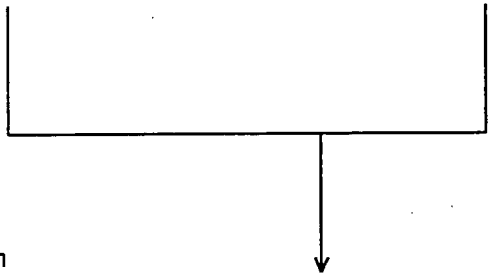
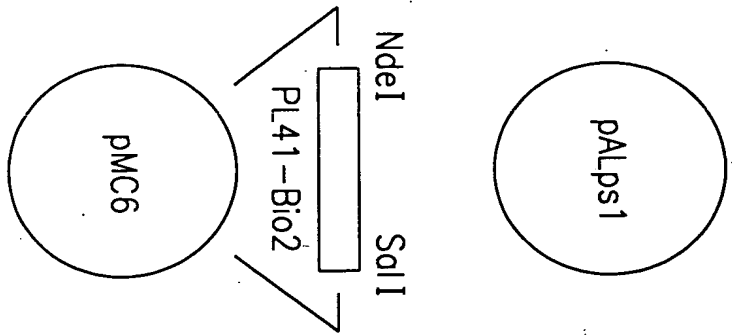


FIG. 4

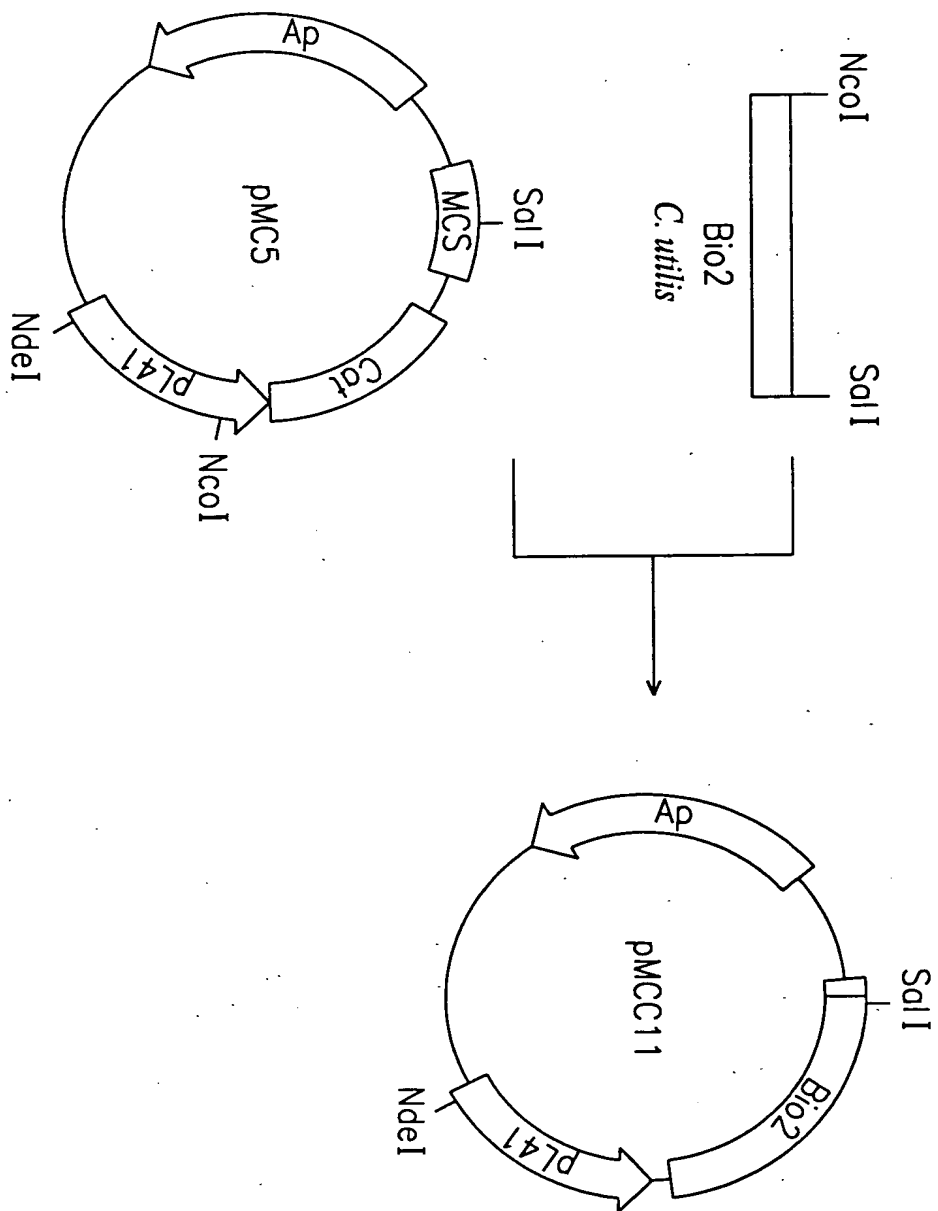


FIG. 5

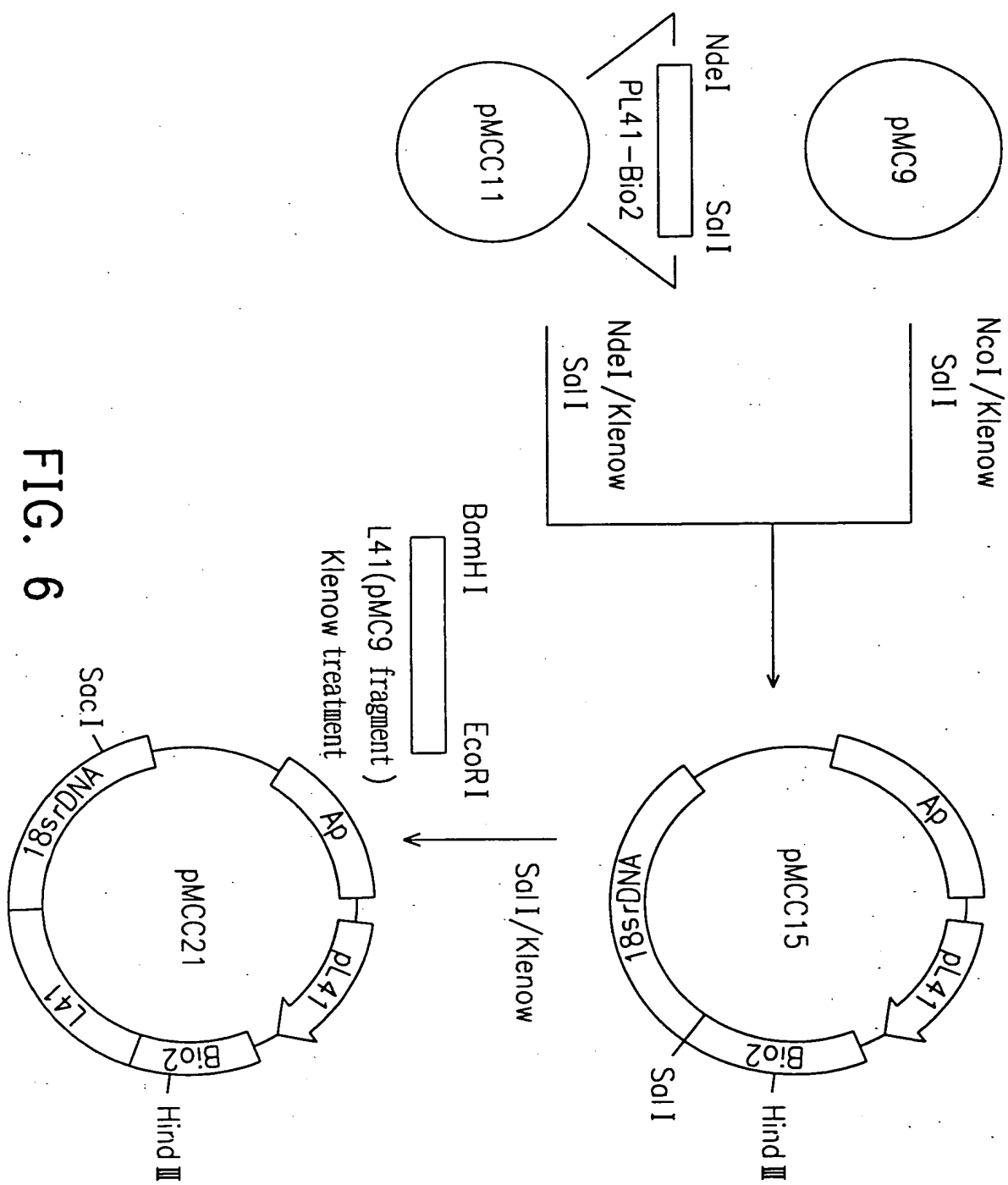


FIG. 6

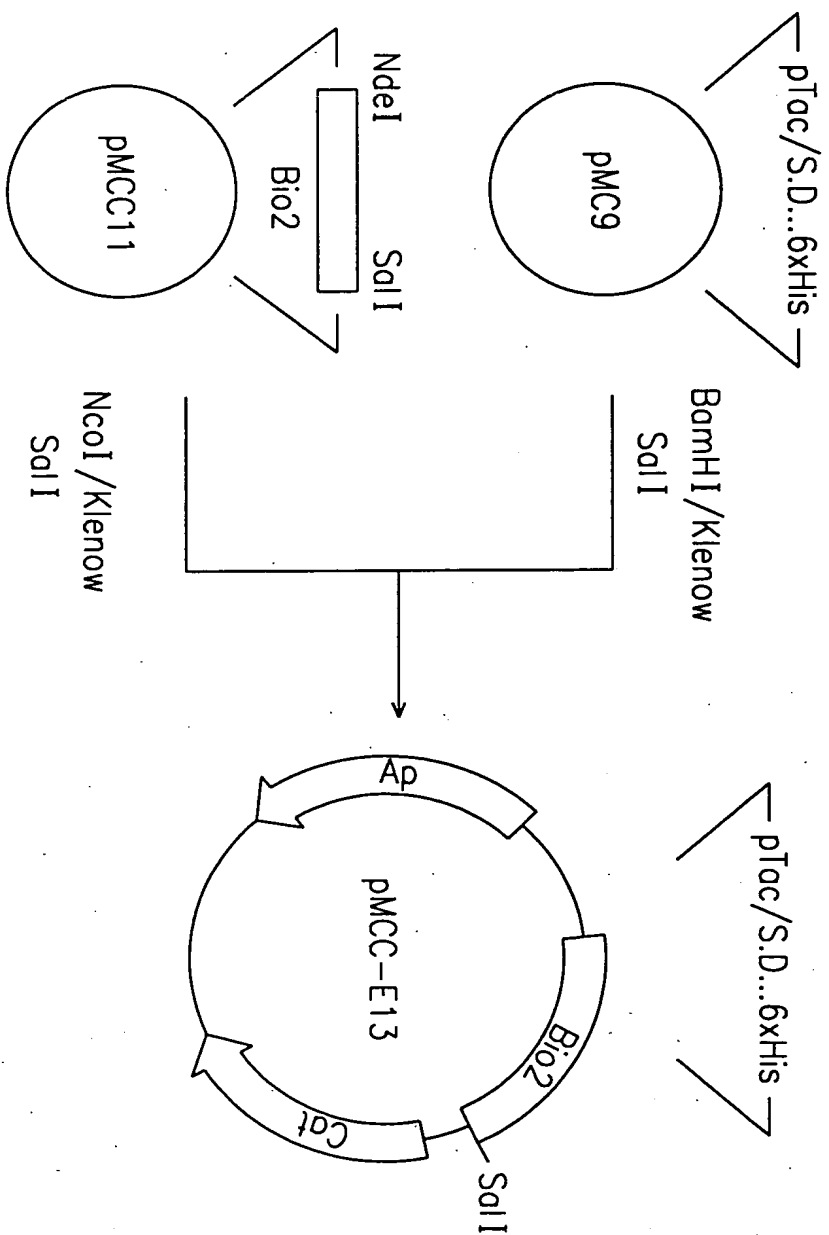
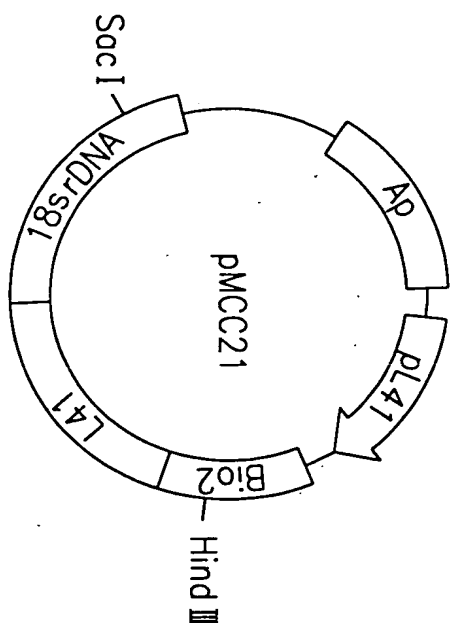


FIG. 7



full-length Bio2 gene



substitution

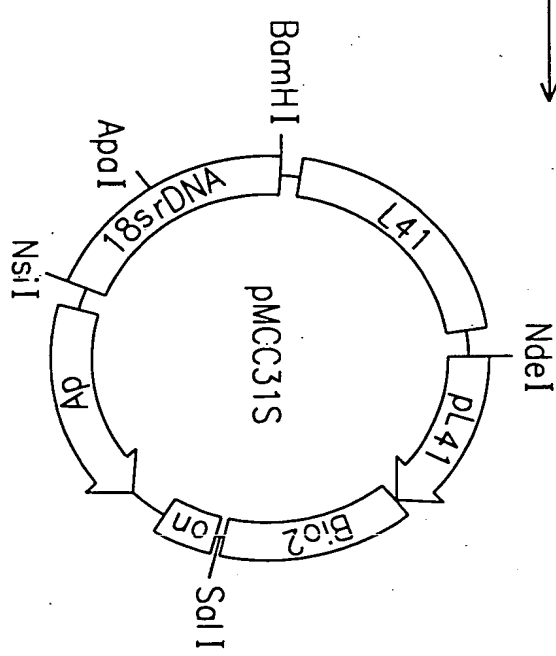


FIG. 8



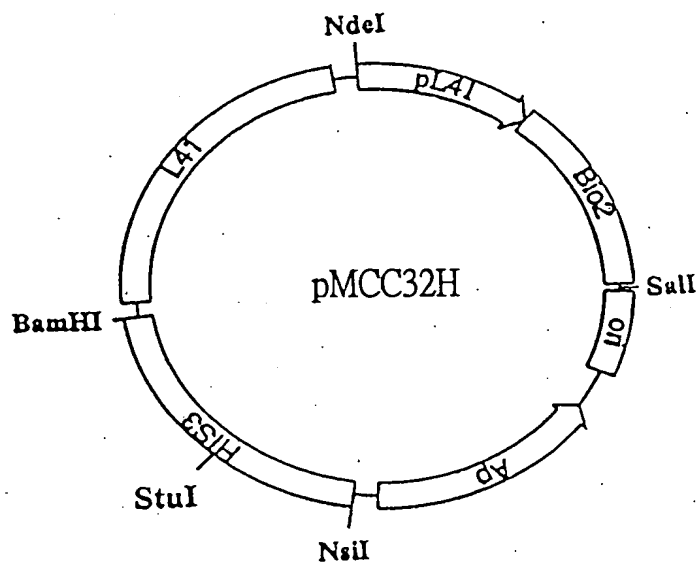
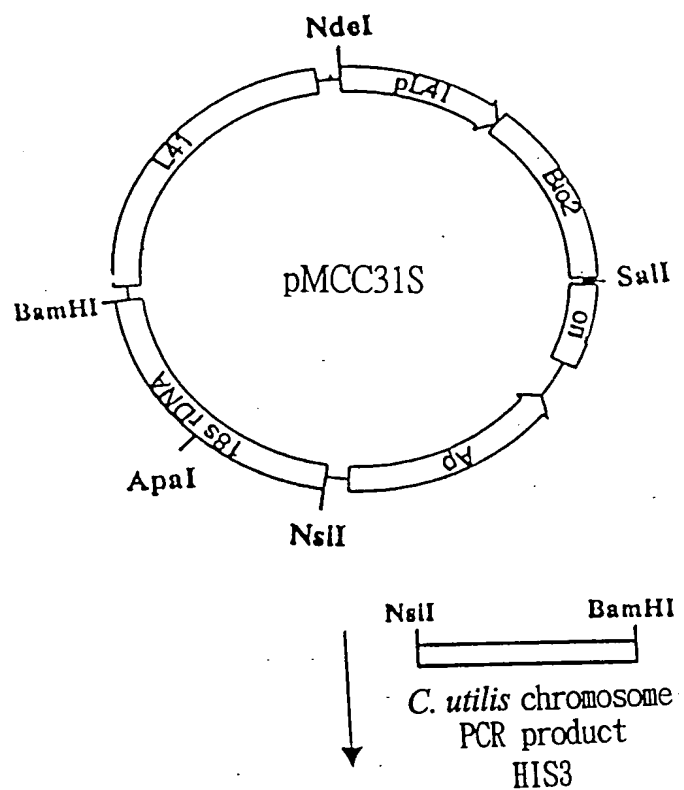
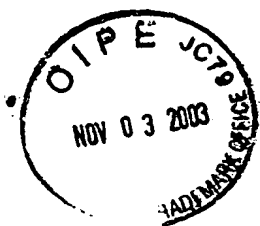


FIG. 9

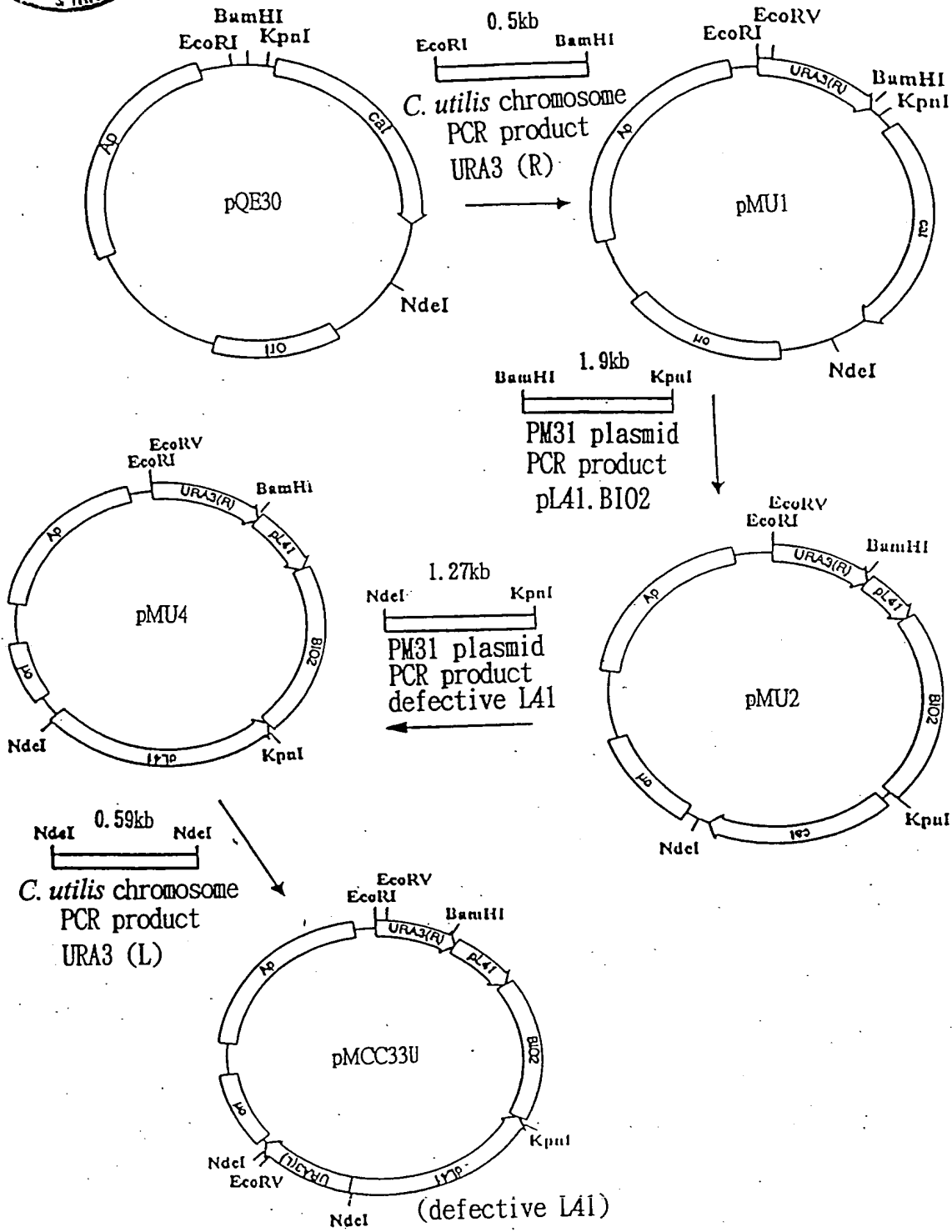
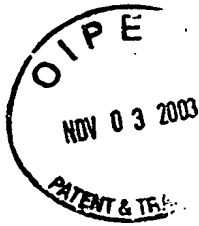


FIG. 10

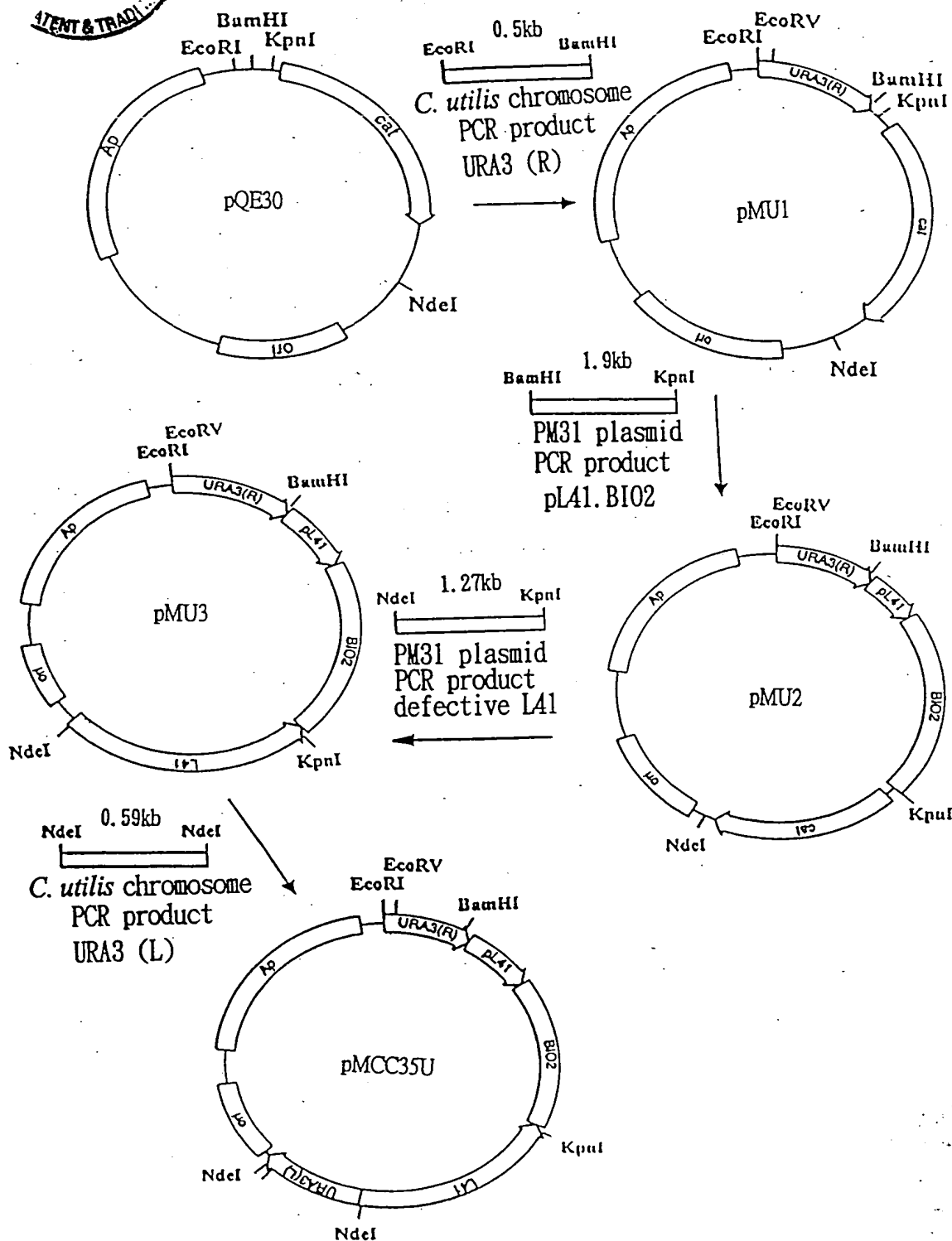


FIG. 11

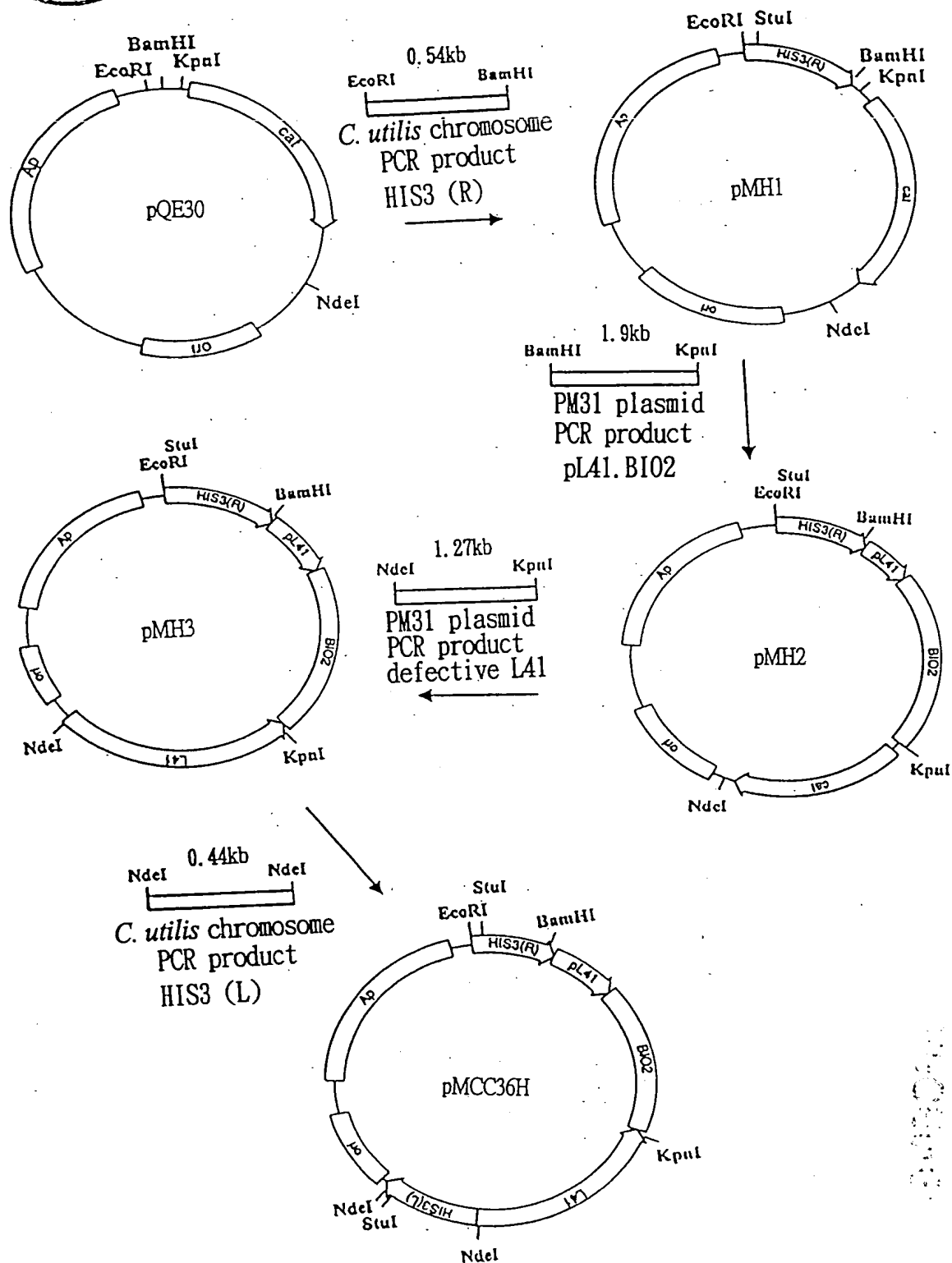


FIG. 12

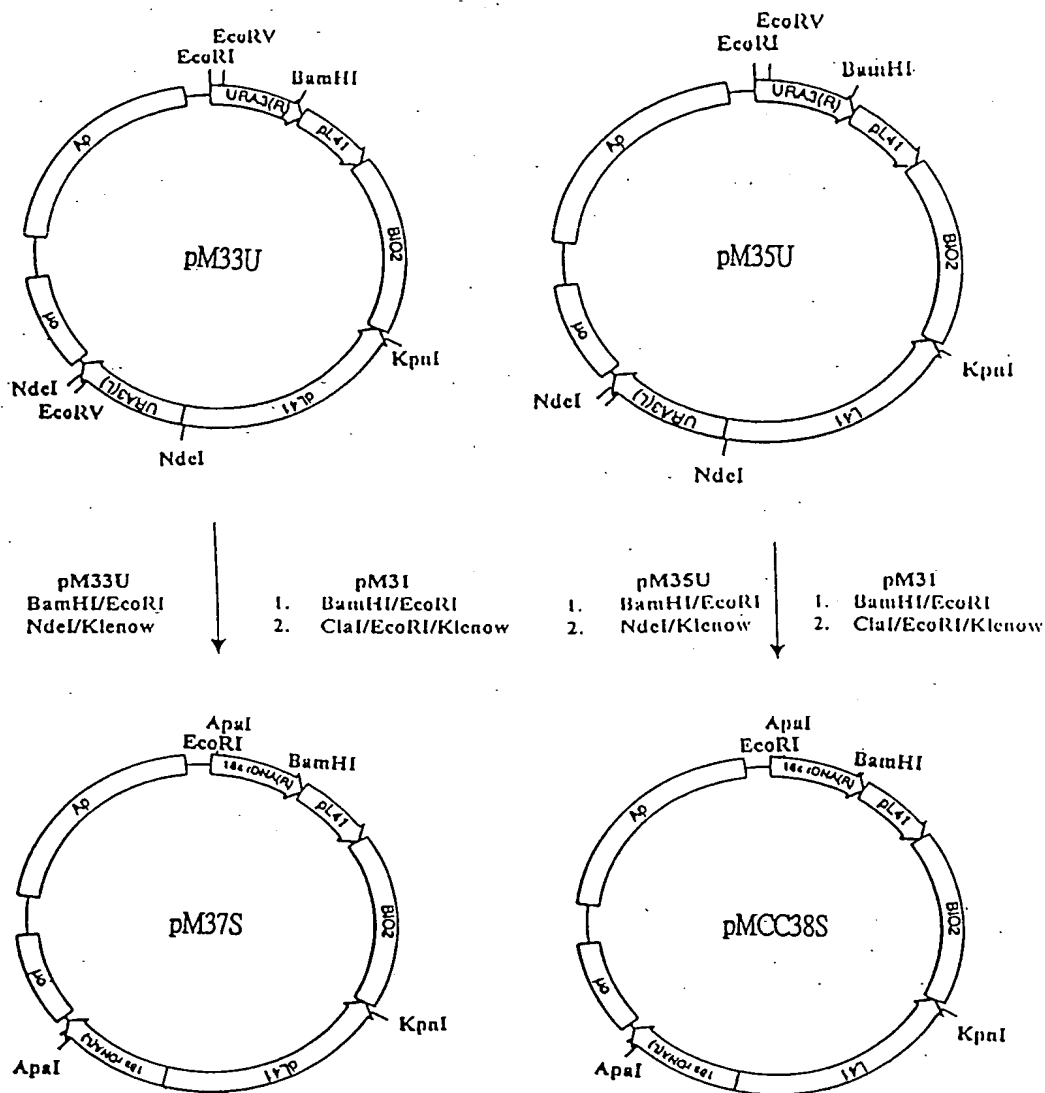


FIG. 13